



FAA-E-2221b
July 24, 1975
AMENDMENT 1

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION SPECIFICATION

ILS MARKER BEACON STATION

This amendment forms a part of FAA-E-2221b dated January 29, 1973.

Page 3, paragraph 2.2.3: Delete and substitute the following therefore:

"2.2.3 Federal Specification

SS-T-312

Floor, asphalt, rubber,
vinyl, vinyl asbestos"

Page 8, paragraph 3.8.3: Add the following after the last sentence:
"It shall be possible to readjust the modulation frequencies to their
initial selected frequency."

Page 8, paragraph 3.8.4: Delete and substitute the following therefore:

"3.8.4 Modulation Frequency tolerance. Each modulation frequency
shall be within ± 1.5 percent of the design center frequency under
normal test conditions. Variation of each modulation frequency
shall not exceed 2.5 percent of the design center frequency under the
service conditions."

Page 11, paragraph 3.10.6: In the third line, delete the word "shelter" and substitute the word "rack."

Page 11, paragraph 3.10.6: In the last sentence, delete "housing cover is in place." and substitute "is pushed back into place in the rack."

Page 12, paragraph 3.14.1.1: Add the following between the first and second sentence: "The field strength at the limits of coverage specified in Figure 1 shall be 1.5 millivolts per meter (82 dBW/M²). In addition, the field strength within the coverage area shall rise to at least 3.0 millivolts per meter (76 dBW/M²). The ratio of the ellipse major axis to the minor axis shall be a minimum of 1.7 to 1.0."

Page 12, paragraph 3.14.1.1 subparagraph (b): Delete and substitute the following therefore:

"(b) With the minor axis established at any altitude as depicted in Figure 1, the major axis at that altitude shall be within 10 percent of the value depicted on Figure 1, or equal to the localizer course width whichever is lesser. Minor axis coverage shall be measured on the localizer course and descending on the glide path. Coverage shall extend to an altitude of at least 3000 feet above the station."

Page 15, paragraph 3.15.3.6: In the second line delete "7K7E6AUS10" and substitute "7K7E6-US10."

Page 15, paragraph 3.15.3.7: Delete the first sentence and substitute the following: "The floor of the Type II marker shelter shall be covered with a light green 1/8" vinyl asbestos tile conforming with Federal Specification SS-T-312."

Page 16, paragraph 3.15.3.10: In the last sentence add the word "or" between the words "brass" and "bronze."

Page 23, paragraph 4.2: Add "3.15.3 Shelter-simulated heavy rain," beneath "3.15.1 Pole mounted transmitter shelter-simulated heavy rain."

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